CSCE 3304 - Digital Design 2 Project 1 A small standard cell library

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1 Introduction

2 Inverter

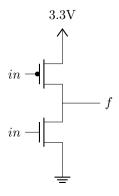


Figure 1:

- 2.2 Stick diagram
- 2.3 Schematic
- 3 Tri-state Inverter
- 3.1 Schematic

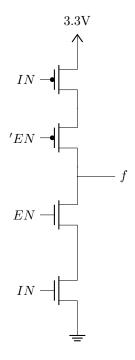


Figure 2:

4 3 input NAND

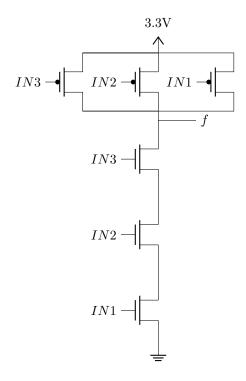


Figure 3:

5 3 input NOR

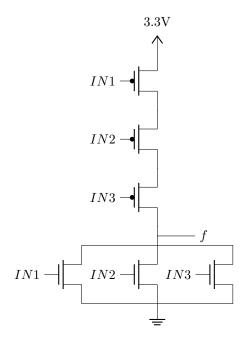


Figure 4:

6 Complex function

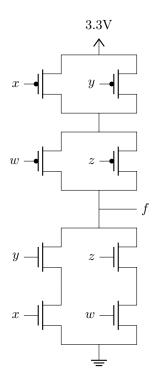


Figure 5:

- 6.2 Stick diagram
- 6.3 Layout
- 6.4 Transition time

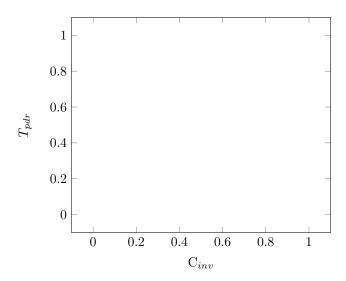


Figure 6: T_{pdr} to C_{inv}

- 6.5 Data collection
- 6.6 Minimum cell height